

APPLICATION SERIAL NUMBER

09770169

**DOES NOT COMPLY WITH THE
SEQUENCE RULES. See reasons below.**

**CRF, paper copy of sequence listing and
statement that both are same missing.**

**The sequences depicted in Figures 4 and 14
need to be in CRF and paper copy of the
sequence listing, but are missing.**

OICE

RAW SEQUENCE LISTING

DATE: 07/07/2001

PATENT APPLICATION: US/09/770,169

TIME: 13:05:17

Input Set : A:\UC053.001A.txt

Output Set: N:\CRF3\07062001\I770169.raw

ENTERED

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4 <110> APPLICANT: Saxon, Andrew
5     Zhang, Ke
7 <120> TITLE OF INVENTION: IMMUNOGLOBULIN CLASS SWITCH
8     RECOMBINATION
10 <130> FILE REFERENCE: UC053.001A
12 <140> CURRENT APPLICATION NUMBER: 09/770,169
13 <141> CURRENT FILING DATE: 2001-01-26
15 <160> NUMBER OF SEQ ID NOS: 18
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 27
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
27 <400> SEQUENCE: 1
28 ttgtccaggc cggcagcatc accggag                                27
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 31
32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
38 <400> SEQUENCE: 2
39 actcctcagt gggatggcct ctacactccc t                            31
41 <210> SEQ ID NO: 3
42 <211> LENGTH: 22
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
49 <400> SEQUENCE: 3
50 ctagaagctt tattgcggtg gt                                       22
52 <210> SEQ ID NO: 4
53 <211> LENGTH: 24
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
60 <400> SEQUENCE: 4
61 cgacaagctt agtttctatt ggtc                                     24
63 <210> SEQ ID NO: 5
64 <211> LENGTH: 28
65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide

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71 <400> SEQUENCE: 5
72 actcagatgg ctaaactgag cctaagct 28
74 <210> SEQ ID NO: 6
75 <211> LENGTH: 26
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
82 <400> SEQUENCE: 6
83 atgtttcagg ttcaggggga ggtgtg 26
85 <210> SEQ ID NO: 7
86 <211> LENGTH: 24
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
93 <400> SEQUENCE: 7
94 gagcctagac taacaggctg aact 24
96 <210> SEQ ID NO: 8
97 <211> LENGTH: 30
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
104 <400> SEQUENCE: 8
105 actcctcagt gggatggact cacactcct 30
107 <210> SEQ ID NO: 9
108 <211> LENGTH: 28
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
115 <400> SEQUENCE: 9
116 aagctttatt gcggtagttt atcacagt 28
118 <210> SEQ ID NO: 10
119 <211> LENGTH: 27
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
126 <400> SEQUENCE: 10
127 ccaagatctc caggcaggca gaagtat 27
129 <210> SEQ ID NO: 11
130 <211> LENGTH: 29
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
137 <400> SEQUENCE: 11

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Input Set : A:\UC053.001A.txt

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138 cccaactagt cttagcctga tacaacctg                29
140 <210> SEQ ID NO: 12
141 <211> LENGTH: 27
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
148 <400> SEQUENCE: 12
149 ttgttcaggc catcagcatc actggag                27
151 <210> SEQ ID NO: 13
152 <211> LENGTH: 25
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
159 <400> SEQUENCE: 13
160 agctgtccag gaacccgaca gggag                25
162 <210> SEQ ID NO: 14
163 <211> LENGTH: 21
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
170 <400> SEQUENCE: 14
171 gttgatagtc cctggggtgt a                21
173 <210> SEQ ID NO: 15
174 <211> LENGTH: 25
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
181 <400> SEQUENCE: 15
182 tttcccttag aggacaggtg gccaa                25
184 <210> SEQ ID NO: 16
185 <211> LENGTH: 24
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
192 <400> SEQUENCE: 16
193 tctagacaag gggacctgct catt                24
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196 <211> LENGTH: 29
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
203 <400> SEQUENCE: 17
204 ttatcccagc agaactcagt ttaaatac                29

```

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Input Set : A:\UC053.001A.txt

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206 <210> SEQ ID NO: 18

207 <211> LENGTH: 22

208 <212> TYPE: DNA

209 <213> ORGANISM: Artificial Sequence

211 <220> FEATURE:

212 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide

214 <400> SEQUENCE: 18

215 gccagttca gttaacctca ac

22

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/770,169

DATE: 07/07/2001

TIME: 13:05:18

Input Set : A:\UC053.001A.txt

Output Set: N:\CRF3\07062001\I770169.raw